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ABSTRACT

This monograph presents the computer printout of an analysis of data on international conflict over a three-year period. Part of a large scale research project to test various theories with regard to their power in analyzing international relations, this monograph presents data on the application of second stage factor analysis of combined "underdog"/"topdog" behavior among nations (UT actors) in light of relative status field theory. The objective was to determine whether any two nations or any group of nations shared the same conflict expert profiles. To this end, all nations were rank sorted in terms of the variable clusters that developed. Field theory maintains that international relations consists of all the attributes and interactions of nations, can be analytically divided into attributes and behavior, and exhibits dyad formations (interactions between two nations) in matters of behavior. Relative status field theory presents a break with the status field theory approach in that it argues that status relationships ought to be treated in relative terms. Scores on variables including domestic violence, population density, economic development, political stability, and power base were compared for each nation to determine relative status. Field theory was applied to a single index for the three-year period in question--the WEIS conflict data (World Event Interaction Survey), which was created using the "New York Times" as a data source. The method involved assigning a negative or positive parameter weight on each predictive factor (such as economic development) which indicates the kind of behavior engaged in by that nation relative to other states. Nations were then assigned a status--a combined 'underdog'/'topdog' in this analysis. (DB)

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ATTRIBUTES AND NATIONAL BEHAVIOR, PART 2: MODERN INTERNATIONAL RELATIONS MONOGRAPH SERIES.

PATTERNS OF CONFLICT: RELATIVE STATUS-FIELD THEORY, UT ACTORS

ED194389

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PART 2 CONSISTS OF 42 MONOGRAPHS OF A LARGE SCALE PROJECT TESTING SEVERAL ATTRIBUTE, ATTRIBUTE DISTANCE BASED THEORIES. EACH RESEARCH MONOGRAPH IS NUMBERED AND GIVEN A SUB-TITLE, LISTED BELOW. EACH FOCUSES UPON SOME ASPECT OF A LARGE SCALE RESEARCH EFFORT CORRELATING NATIONAL ATTRIBUTES TO INTERNATIONAL BEHAVIOR. ALL MONOGRAPHS CAN BE PRINTED FROM TAPE BY COMPUTER.

TAPE SPECS ARE: 9 TRACK, 800 BPI, EBCDIC, 132 CHARACTER RECORDS, 2400 FEET.

NOTE! SINCE THE CODEBOOK WAS PUBLISHED, MONOGRAPHS 1-6, 10, 27 AND 39 HAVE BEEN FURTHER EDITED, REDUNDANCY REMOVED AND GATHERED TOGETHER UNDER THE TITLE OF: PROJECT THEORY: INTERPRETATIONS AND POLICY RELEVANCE. THIS COLECTION MAY BE FOUND IN FILE 8. SINCE IT IS UPDATED, IT IS RECOMENDED THAT THIS FILE BE USED INSTEAD-OF THE ORIGINAL MATERIALS IN THE APPROPRIATE CASES. IN THE CASE OF THE OTHER FILES, THEY RETAIN THE ORIGINAL BUILT-IN REDUNDANCY.

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Attributes and National Behavior:

Modern International Relations Monograph Series

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PATTERNS OF CONFLICT: RELATIVE STATUS-FIELD THEORY, UT ACTORS

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THE ANALYSIS THAT FOLLOWS IS A COMPONENT OF A LARGER RESEARCH EFFORT THE PURPOSE OF WHICH IS TO TEST ATTRIBUTE THEORY (RUMMEL, 1969A), SOCIAL FIELD THEORY (RUMMEL, 1969A), DISTANCE THEORY (VINCENT, 1975), AND RELATIVE STATUS-FIELD THEORY, TREATING RELATIVE T = TOPDOG AND U = UNDERDOG BEHAVIOR IN THE INTERNATIONAL SYSTEM (VINCENT, 1976). ALL THEORIES ARE TESTED ON THE SAME, 1966-69, WEIS (AGGREGATED) DATA.

FULL TECHNICAL TREATMENT OF THE THEORIES AND METHODS IS GIVEN ELSEWHERE AND WILL NOT BE REPEATED HERE. THAT IS, DETAILS, SUCH AS THE CONSTRUCTION OF A-SPACE (ATTRIBUTE SPACE) OR D-SPACE (DISTANCE SPACE), ETC. CAN BE OBTAINED FROM THE RELEVANT BIBLIGRAPHIC ENTRIES. ELABORATE TECHNICAL DISCUSIONS, HOWEVER, ARE NOT REALLY NECESSARY TO UNDERSTAND OR USE THE RESULTS GENERATED HERE. IT SHOULD BE CLEAR, HOWEVER, THAT ALL OF THE INDEPENDENT VARIABLES TREATED, SUCH AS ECONOMIC DEVELOPMENT, ARE >FACTORS>, THAT IS, COMPOSITE INDEXES GENERATED OUT OF A NUMBER OF RELATED VARIABLES, USING THE TECHNIQUE OF FACTOR ANALYSIS.

WHEN THE THEORIES ARE APPLIED, EACH NATION RECIEVES A NEGATIVE OR POSITIVE PARAMETER WEIGHT ON EACH PREDICTIVE FACTOR, SUCH AS ECONOMIC DEVELOPMENT, WHICH INDICATES THE KIND OF BEHAVIORAL EXPORTATION ENGAGED IN BY THAT STATE RELATIVE TO OTHER STATES.

THE ANALYSIS PRESENTED HERE INDICATES THE RESULTS THAT OCCUR WHEN + TYPE NATION EXPORTERS ARE COMPARED TO - TYPE NATION EXPORTERS IN TERMS OF SIMILARITY OF MODEL AND ATTRIBUTE TYPE.

THIS WILL BE ACCOMPLISHED BY TWO MODES OF ANALYSIS.

THE FIRST MODE WILL BE TO PERFORM A FACTOR ANALYSIS ON THE WEIGHTS OF THE NATIONS ACROSS THE PREDICTOR DIMENSIONS. THE SECOND WILL BE TO CORRELATE THE FACTOR SCORES OF A-SPACE WITH THE FACTOR SCORES GENERATED FROM THE ANALYSIS OF THE WEIGHTS.

THESE MODES OF ANALYSIS WILL SHOW HOW CONFLICT EXPORT PATTERNS CLUSTER, HOW NATIONS ARE, IN FACT, LOCATED ON SUCH CLUSTERS AND REVEAL CHARACTERISTICS OF + VS. - WEIGHT NATIONS.

THE RESULTS FOLLOW:

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RELATIVE STATUS FIELD THEORY, UT, CONFLICT

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 1

13 SMALL HEALTH EXPENDITURE AS PERCENT OF GNP,BELOW
.69
20 LOW CRUDE DEATH RATE,BELOW
.66
14 HIGH PER CAPITA SCHOOL ENROLLMENT,ABOVE
-.59
16 ENERGY PRODUCTION,ABOVE
-.72
02 POWER BASE,CLOSE BELOW
-.79

THESE I'S ARE:

VARIABLE NUMBER 1

20 CHINA, PR
1.89
103 U.S.S.R

1.40

47 INDIA

1.18

38 WEST GERMANY

1.16

59 SOUTH KOREA

1.11

56 JAPAN

1.07

78 PAKISTAN

1.05

68 MEXICO

.89

9 BRAZIL

.87

85 ROMANIA

.77

35 FRANCE

.55

83 POLAND

.54

53 ITALY

.25

113 YUGOSLAVIA

.16

100 TUNISIA

.05

125 GUYANA

.01

THEY TEND TO HAVE THE CHARACTERISTICS OF: HIGH POWER BASE, LITTLE POLITICAL INSTABILITY, LARGE GNP GROWTH RATE, HIGH ENERGY PRODUCTION

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 1

13 SMALL HEALTH EXPENDITURE AS PERCENT OF GNP,ABOVE

.69

20 LOW CRUDE DEATH RATE,ABOVE

.66

14 HIGH PER CAPITA SCHOOL ENROLLMENT,BELOW

-.59

16 HIGH ENERGY PRODUCTION,BELOW

-.72

02 POWER BASE,FAR BELOW

-.79

THESE I'S ARE:

92 SPAIN

-.20

97 THAILAND

-.27

93 SUDAN

-.40

49 IRAN

-.46

23 CONGO (LEO)

-.59

104 U.A.R.

-.65

110 NORTH VIETNAM

-.98

82 PHILIPPINES

-1.09

76 NIGERIA

-1.10

70 MOROCCO

-1.11

4 ARGENTINA

-1.11

33 ETHIOPIA

-1.57

48 INDONESIA

-1.65

101 TURKEY

-1.77

THEY TEND TO HAVE THE CHARACTERISTICS OF: SMALL POWER BASE, POLITICAL INSTABILITY, SMALL GNP GROWTH RATE LOW ENERGY PRODUCTION

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 2

18 HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE,BELOW
.58
03 POLITICAL INSTABILITY,ABOVE
-.84
06 LARGE POPULATION DENSITY,ABOVE
-.88

THESE I'S ARE:

VARIABLE NUMBER 2

33 ETHIOPIA
1.81
56 JAPAN
1.58
9 BRAZIL

1.46

49 IRAN

1.40

68 MEXICO

1.00

78 PAKISTAN

.81

76 NIGERIA

.77

70 MOROCCO

.66

103 U.S.S.R

.66

125 GUYANA

.62

23 CONGO (LEO)

.60

20 CHINA, PR

.56

48 INDONESIA

.29

92 SPAIN

.18

35 FRANCE

.09

THEY TEND TO HAVE THE CHARACTERISTICS OF: FEW MILITARY PERSONNEL PER CAPITA

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACIERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 2

18 HIGH RATIO OF BLACK MARKET TO OFFICIAL EXCHANGE,ABOVE
.58
03 LITTLE POLITICAL INSTABILITY,BELOW
-.84
06 LARGE POPULATION DENSITY,BELOW
-.88

THESE I'S ARE:

47 INDIA
-.06
4 ARGENTINA
-.19
101 TURKEY
-.23
82 PHILIPPINES
-.26
53 ITALY

-.51

100 TUNISIA

-.60

38 WEST GERMANY

-.62

59 SOUTH KOREA

-.68

93 SUDAN

-.71

85 ROMANIA

-.80

110 NORTH VIETNAM

-.82

104 U.A.R.

-1.01

83 POLAND

-1.72

97 THAILAND

-1.96

113 YUGOSLAVIA

-2.15

THEY TEND TO HAVE THE CHARACTERISTICS OF: MANY MILITARY PERSONNEL PER CAPITA

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 3

09 LITTLE DOMESTIC VIOLENCE,BELOW
.80
11 FEW MILITARY PERSONNEL PER CAPITA,BELOW
.70
04 NON-COMPETITIVE POLITICAL SYSTEM,BELOW
.66

THESE I'S ARE:

VARIABLE NUMBER 3

101 TURKEY
1.33
93 SUDAN
1.30
100 TUNISIA
1.25
110 NORTH VIETNAM
1.11
9 BRAZIL
1.11

104 U.A.R.

1.09

103 U.S.S.R

1.04

78 PAKISTAN

.97

35 FRANCE

.88

4 ARGENTINA

.83

56 JAPAN

.77

68 MEXICO

.59

97 THAILAND

.28

70 MOROCCO

.21

20 CHINA, PR

.20

47 INDIA

.18

THEY TEND TO HAVE THE CHARACTERISTICS OF: NO SIGNIFIGANT FACTORS

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH

CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 3

09 LITTLE DOMESTIC VIOLENCE,ABOVE
.80
11 FEW MILITARY PERSONNEL PER CAPITA,ABOVE
.70
04 NON-COMPETITIVE POLITICAL SYSTEM,ABOVE
.66

THESE I'S ARE:

76 NIGERIA
-.27
48 INDONESIA
-.30
83 POLAND
-.31
113 YUGOSLAVIA
-.54
59 SOUTH KOREA
-.56
33 ETHIOPIA
-.62
82 PHILIPPINES

-.67

23 CONGO (LEO)

-.87

92 SPAIN

-1.05

38 WEST GERMANY

-1.21

125 GUYANA

-1.28

53 ITALY

-1.38

49 IRAN

-2.02

85 ROMANIA

-2.06

THEY TEND TO HAVE THE CHARACTERISTICS OF: NO SIGNIFIGANT FACTORS

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 4

01 ECONOMIC DEVELOPMENT,CLOSE ABOVE

.88

17 MANY ELECTIONS,ABOVE

-.51

THESE I'S ARE:

VARIABLE NUMBER 4

97 THAILAND
2.47
110 NORTH VIETNAM
2.04
23 CONGO (LEO)
1.80
92 SPAIN
1.63
76 NIGERIA
1.17
35 FRANCE
.55
38 WEST GERMANY
.48
33 ETHIOPIA
.47
47 INDIA
.47
103 U.S.S.R
.41

56 JAPAN

.26

9 BRAZIL

.14

THEY TEND TO HAVE THE CHARACTERISTICS OF: LARGE GNP GROWTH RATE AT FIXED PRICES

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 4

01 ECONOMIC DEVELOPMENT,FAR ABOVE

.88

17 MANY ELECTIONS,BELOW

-.51

THESE I'S ARE:

59 SOUTH KOREA

-.01

70 MOROCCO

-.14

68 MEXICO

-.17

53 ITALY

-.20

125 GUYANA

-.32

101 TURKEY

-.33

20 CHINA, PR

-.40

113 YUGOSLAVIA

-.45

85 ROMANIA

-.68

4 ARGENTINA

-.70

49 IRAN

-.82

83 POLAND

-.87

104 U.A.R.

-.88

100 TUNISIA

-.90

93 SUDAN

-1.00

78 PAKISTAN

-1.05

48 INDONESIA

-1.36

82 PHILIPPINES

-1.59

THEY TEND TO HAVE THE CHARACTERISTICS OF: SMALL GNP GROWTH RATE AT FIXED PRICES

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 5

19 FEW EXECUTIVE ADJUSTMENTS,BELOW

.50

15 HIGH PER CAPITA INTERNAL SECURITY FORCE,ABOVE

-.90

THESE I'S ARE:

VARIABLE NUMBER 5

70 MOROCCO

3.05

33 ETHIOPIA

1.57

53 ITALY

1.44

59 SOUTH KOREA

.93

68 MEXICO

.84

38 WEST GERMANY

.77

85 ROMANIA

.70

110 NORTH VIETNAM

.66

4 ARGENTINA

.52

83 POLAND

.40

101 TURKEY

.23

9 BRAZIL

.07

113 YUGOSLAVIA

.00

THEY TEND TO HAVE THE CHARACTERISTICS OF: NO SIGNIFIGANT FACTORS

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 5

19 FEW EXECUTIVE ADJUSTMENTS,ABOVE
.50
15 HIGH PER CAPITA INTERNAL SECURITY FORCE,BELOW
-.90

THESE I'S ARE:

125 GUYANA
-.02
78 PAKISTAN
-.03
103 U.S.S.R
-.06
56 JAPAN
-.12
93 SUDAN
-.22
100 TUNISIA
-.24
35 FRANCE
-.28
92 SPAIN
-.38
104 U.A.R.

-.41

97 THAILAND

-.55

20 CHINA, PR

-.91

49 IRAN

-1.05

23 CONGO (LEO)

-1.23

47 INDIA

-1.36

76 NIGERIA

-1.38

48 INDONESIA

-1.47

82 PHILIPPINES

-1.50

THEY TEND TO HAVE THE CHARACTERISTICS OF: NO SIGNIFIGANT FACTORS

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 6

05 SMALL POPULATION GROWTH RATE,ABOVE

-.88

THESE I'S ARE:

VARIABLE NUMBER 6

23 CONGO (LEO)
2.24
83 POLAND
1.26
53 ITALY
1.20
82 PHILIPPINES
1.14
38 WEST GERMANY
1.06
101 TURKEY
.95
35 FRANCE
.82
48 INDONESIA
.73
103 U.S.S.R
.70
33 ETHIOPIA
.53

85 ROMANIA

.52

9 BRAZIL

.17

92 SPAIN

.17

20 CHINA, PR

.11

68 MEXICO

.06

THEY TEND TO HAVE THE CHARACTERISTICS OF: SMALL POPULATION GROWTH RATE, LARGE CHRISTIAN COMMUNITY

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 6

05 SMALL POPULATION GROWTH RATE,BELOW

-.88

THESE I'S ARE:

78 PAKISTAN

-.11

47 INDIA

-.13

56 JAPAN

-.24

100 TUNISIA

-.27

110 NORTH VIETNAM

-.31

70 MOROCCO

-.37

113 YUGOSLAVIA

-.37

93 SUDAN

-.41

4 ARGENTINA

-.59

76 NIGERIA

-.61

104 U.A.R.

-.72

59 SOUTH KOREA

-1.52

97 THAILAND

-1.61

49 IRAN

-2.08

125 GUYANA

-2.33

THEY TEND TO HAVE THE CHARACTERISTICS OF: LARGE POPULATION GROWTH RATE, SMALL CHRISTIAN COMMUNITY

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 7

10 LARGE GNP GROWTH RATE AT FIXED PRICES,BELOW
.86
08 RECENT NATIONAL INDEPENDENCE,BELOW
.50
11 FEW MILITARY PERSONNEL PER CAPITA,ABOVE
-.51

THESE I'S ARE:

VARIABLE NUMBER 7

101 TURKEY
2.33
76 NIGERIA
1.91
113 YUGOSLAVIA

1.31

68 MEXICO

1.17

125 GUYANA

1.04

53 ITALY

.92

4 ARGENTINA

.78

85 ROMANIA

.72

56 JAPAN

.66

103 U.S.S.R

.46

38 WEST GERMANY

.34

9 BRAZIL

.33

97 THAILAND

.22

82 PHILIPPINES

.17

47 INDIA

.11

78 PAKISTAN

.09

THEY TEND TO HAVE THE CHARACTERISTICS OF: LARGE POWER BASE

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 7

10 LARGE GNP GROWTH RATE AT FIXED PRICES,ABOVE
.86
08 RECENT NATIONAL INDEPENDENCE,ABOVE
.50
11 FEW MILITARY PERSONNEL PER CAPITA,BELOW
-.51

THESE I'S ARE:

20 CHINA, PR
-.18
70 MOROCCO
-.28
92 SPAIN
-.34
48 INDONESIA
-.46
110 NORTH VIETNAM

-.77

93 SUDAN

-.82

104 U.A.R.

-.95

83 POLAND

-1.00

23 CONGO (LEO)

-1.00

49 IRAN

-1.16

100 TUNISIA

-1.27

59 SOUTH KOREA

-1.39

35 FRANCE

-1.44

33 ETHIOPIA

-1.49

THEY TEND TO HAVE THE CHARACTERISTICS OF: SMALL POWER BASE

I'S WITH + SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 8

19 FEW EXECUTIVE ADJUSTMENTS,BELOW
.67
12 LARGE GNP GROWTH RATE,ABOVE
-.85

THESE I'S ARE:

VARIABLE NUMBER 8

76 NIGERIA
1.80
100 TUNISIA
1.19
85 ROMANIA
1.11
33 ETHIOPIA
1.11
104 U.A.R.
1.07
93 SUDAN
.93
92 SPAIN
.87
35 FRANCE
.80

101 TURKEY

.73

4 ARGENTINA

.63

83 POLAND

.45

49 IRAN

.43

113 YUGOSLAVIA

.40

78 PAKISTAN

.27

23 CONGO (LEO)

.16

20 CHINA, PR

.06

THEY TEND TO HAVE THE CHARACTERISTICS OF: SMALL POPULATION GROWTH RATE, SMALL POPULATION DENSITY, SMALL GNP GROWTH RATE AT FIXED PRICES

I'S WITH - SCORES ON THE FACTOR DIMENSION TEND TO EXPORT HIGH CONFLICT TO J'S WITH THE CHARACTERISTICS, RELATIVE TO I, OF:

VARIABLE NUMBER 8

19 FEW EXECUTIVE ADJUSTMENTS,ABOVE

.67

12 SMALL GNP GROWTH RATE,BELOW

-.85

THESE I'S ARE:

38 WEST GERMANY

-.04

125 GUYANA

-.06

53 ITALY

-.08

103 U.S.S.R

-.32

56 JAPAN

-.38

110 NORTH VIETNAM

-.58

47 INDIA

-.67

9 BRAZIL

-.68

68 MEXICO

-.68

59 SOUTH KOREA

-.74

97 THAILAND

-1.68

70 MOROCCO

-1.71

82 PHILIPPINES

-2.17

48 INDONESIA

-2.22

THEY TEND TO HAVE THE CHARACTERISTICS OF: LARGE POPULATION GROWTH RATE, LARGE POPULATION DENSITY, LARGE GNP GROWTH RATE AT FIXED PRICES